Ozagrel sodium

Cat. No.: HY-B0428A

CAS No.: 189224-26-8

Molecular Formula: $C_{13}H_{11}N_2NaO_2$

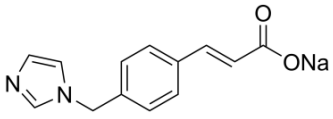
Molecular Weight: 250.23

Target: Prostaglandin Receptor

Pathway: GPCR/G Protein

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 50 mg/mL (199.82 mM; Need ultrasonic)
DMSO : 6.25 mg/mL (24.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.9963 mL	19.9816 mL	39.9632 mL
	5 mM	0.7993 mL	3.9963 mL	7.9926 mL
	10 mM	0.3996 mL	1.9982 mL	3.9963 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 0.62 mg/mL (2.48 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.62 mg/mL (2.48 mM); Clear solution
3. Add each solvent one by one: PBS
   Solubility: 70 mg/mL (279.74 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Ozagrel sodium (OKY-046 sodium) is a thromboxane A2 (TXA2) synthase inhibitor. Ozagrel sodium is an antiplatelet agent, which selectively inhibits human platelet aggregation with an IC_{50} of 53.12 μM[1].

IC_{50} & Target

TXA_2

REFERENCES

[1]. Max Seidy Saito, et al. Antiplatelet pyrazolopyridines derivatives: pharmacological, biochemical and toxicological characterization. J Enzyme Inhib Med Chem. 2016 Dec;31(6):1591-601.

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